

ABSTRACT OF THE DISCLOSURE

The present invention relates to a polymer gel composition including: a swelling liquid; and a polymer gel having characteristics of absorbing and releasing the swelling liquid due to a change in temperature to thereby change a volume thereof reversibly, and including a crosslinked polymer having at least a hydrogen bonding group, wherein the crosslinked polymer included in the polymer gel is a copolymer of at least two monomer components including a (meth)acrylamide or a mono-substituted derivative thereof as a monomer component (A) and a monomer different from the monomer component (A) as a monomer component (B). The invention also relates to an optical device, a resin composition and an optical film, all using the polymer gel composition.